

Appln No.: 09/721,391 Applicant(s): Richard G. Vile et al.

GENE EXPRESSION BY POSITIVE FEEDBACK ACTIVATION

OF A CELL TYPE-SPECIFIC PROMOTER

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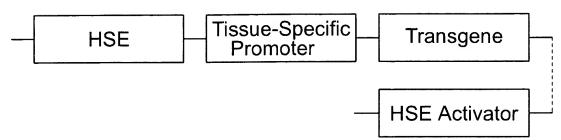


FIG. 1

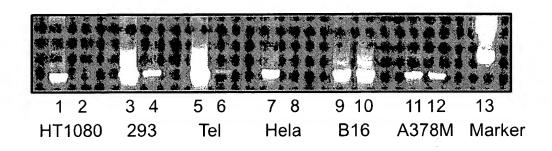


FIG. 2

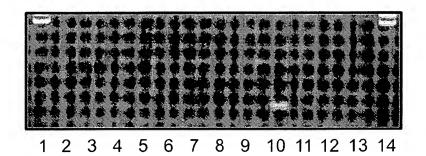


FIG. 3A

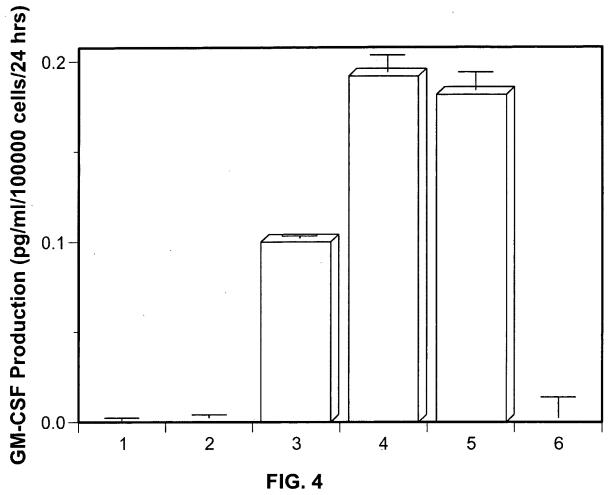


1 2 3 4 5 6 7 8 9 10 11 12 13 14

FIG. 3B



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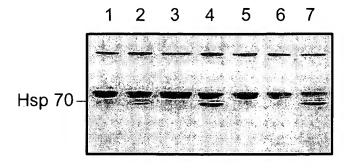


FIG. 5

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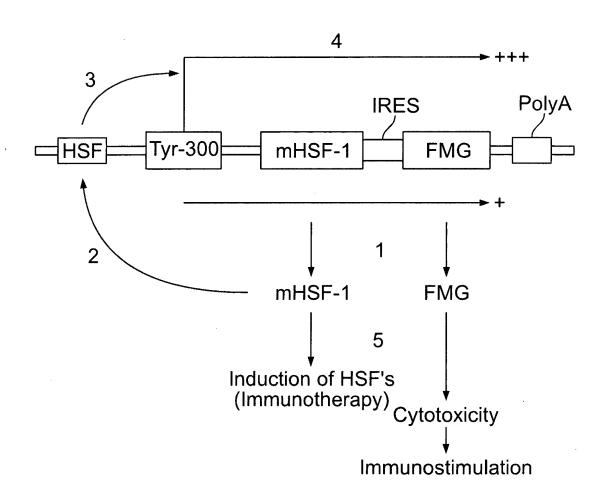
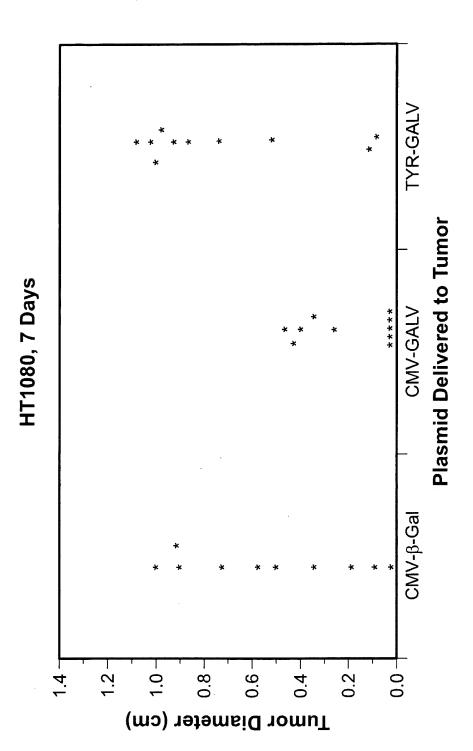


FIG. 6

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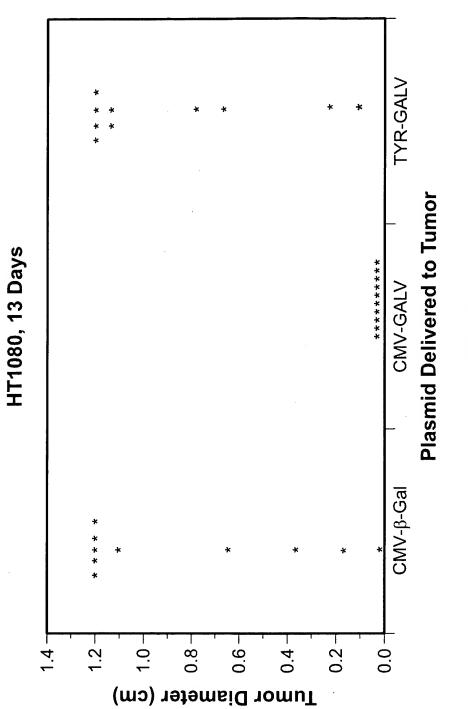




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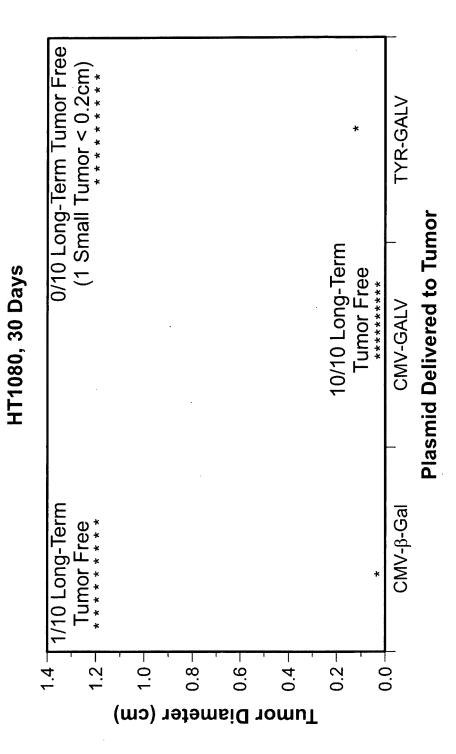
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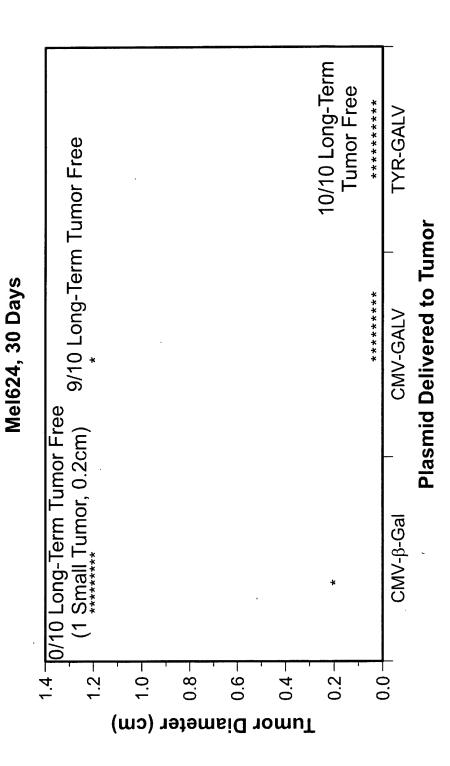
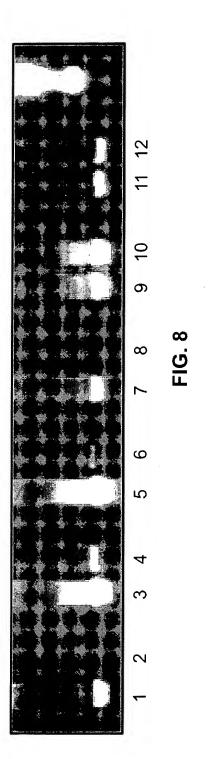
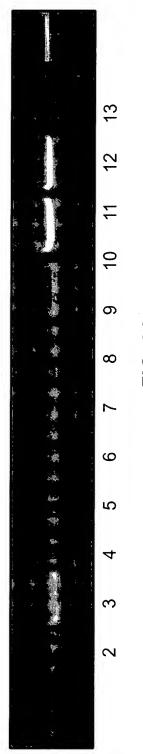


FIG. 7D



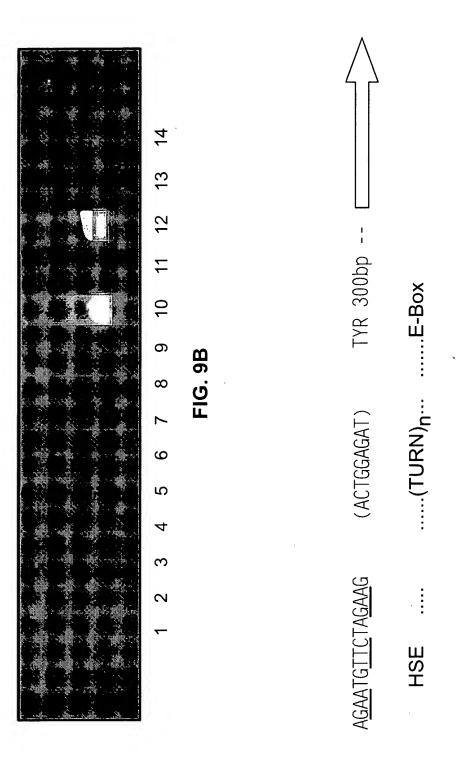
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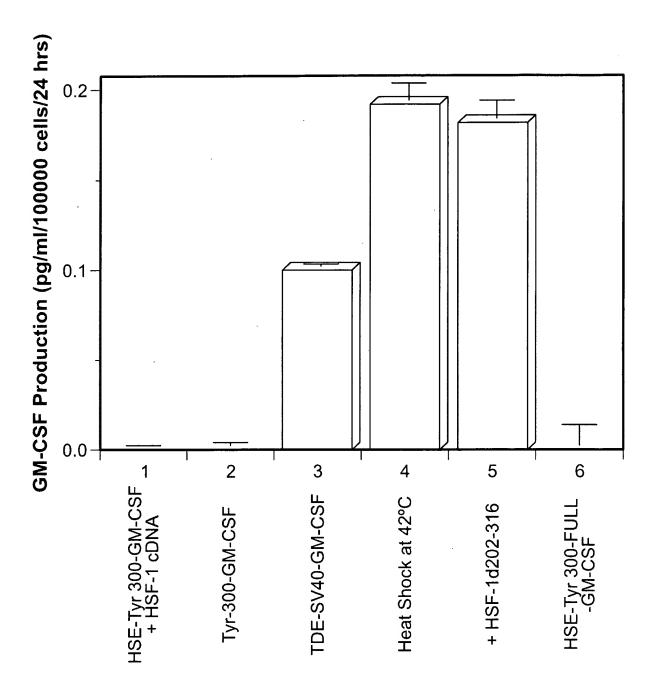


FIG. 10B

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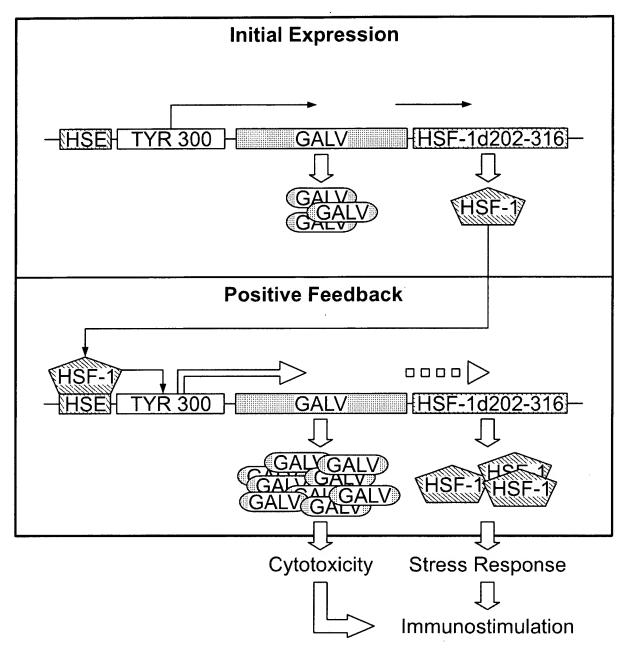


FIG. 11



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HSE-Human Tyr-GALV + mHSF-1 in B16 cells

# Hours 24 48 72 96 120 GALV — — — HSP70 — — — mHSF-1 — — —

FIG. 12



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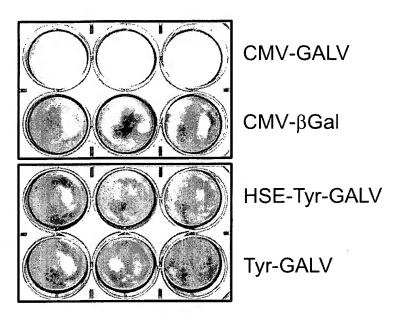
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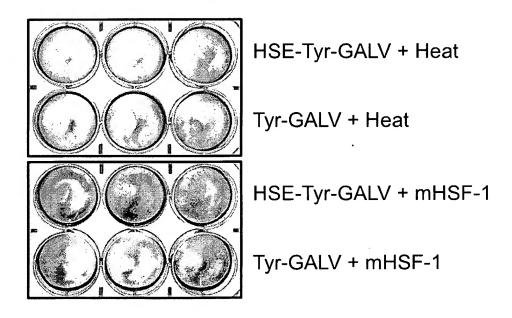
#### Tel.CeB6

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**FIG. 13A** 

#### Tel.CeB6



**FIG. 13B** 



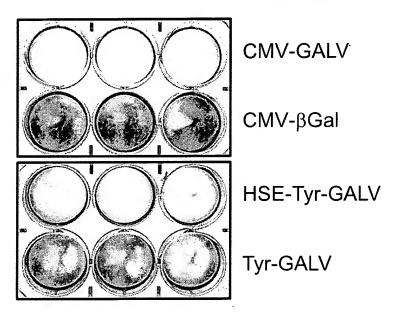
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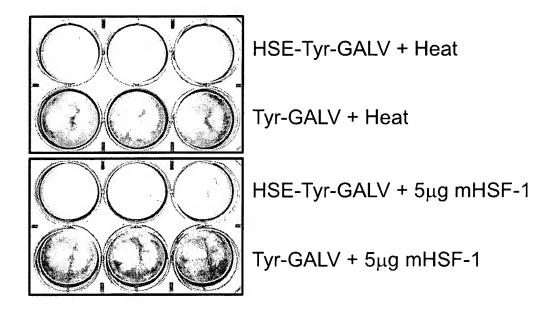
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#### Mel 624



**FIG. 13C** 

#### Mel 624



**FIG. 13D** 



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# Mel 624: $5\mu g$ HSE-Tyr-GALV + CMV- $\beta$ Gal

10μg 0μg  $1\mu g$ 2μg  $5\mu g$ 

FIG. 13E

# Mel 624: 5μg HSE-Tyr-GALV + mHSF-1

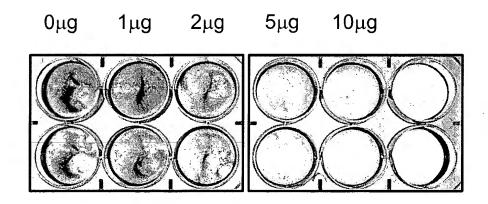
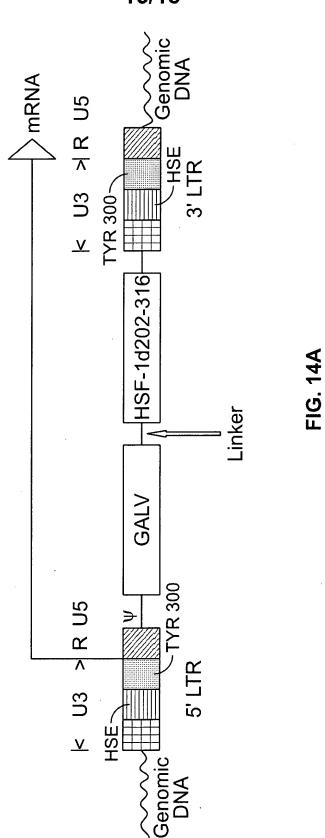


FIG. 13F

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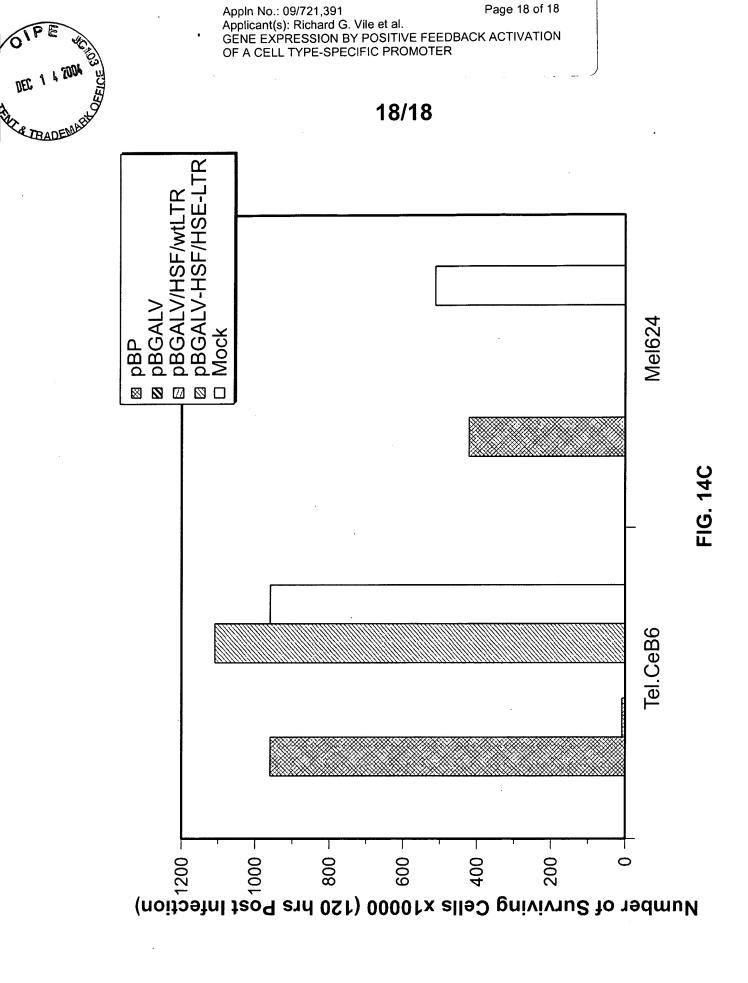


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Syncytia Formation with Time Following Infection (hrs)

					۲		
Vector	t=0		t=24 t=48	t=72	t=96	t=96 t=120	
pBabe Puro	ı	ı	ı	ı	ı	ı	
pBabe GALV	ı	+	<b>+</b>	+ + +	+ + +	+ + +	
pBabe GALV-HSF-1-(wtLTR)	ı	+	+	+ + +	++++	++++	
pBabe GALV-HSF-1-(HSE Tyr LTR)	ı	ı	ı	+	+ + +	+ + + +	
			<b> </b>	Tel			
	t=0	t=24	t=48	t=72	1=96	t=120	
pBabe Puro	ı	t	ı	ı	ı	ı	
pBabe GALV		+	+ +	+ + +	+ + +	++	
pBabe GALV-HSF-1-(wtLTR)		+	+ + +	+ + +	+ + +	<b>+</b> +	
pBabe GALV-HSF-1-(HSE Tyr LTR)	ı	ı	1	ı	ı	ı	



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